



## MEETING NOTES

<b>Type of Meeting:</b>	Preconstruction EPA Site Inspection Meeting
<b>Project Name:</b>	EMJ Early Action Area Removal Action
<b>Anchor Project #:</b>	080224-01.02
<b>Meeting Location:</b>	Jorgensen Forge conference room

<b>Date</b>	<b>Start</b>	<b>End</b>	<b>Meeting Led By:</b>	Mike Roberts
6/26/14	10:00 am	11:10 am	<b>Meeting Note-Taker:</b>	Mike Roberts

**Attendees:** All attendees listed will receive a copy of the meeting notes.

Name	Firm/Agency	Office #	Cell #	Email
Wayne Turk	Jorgensen Forge (JFC)	206.255.8177	(b) (6)	wturk@jorgesonforge.com
Amy Essig Desai	Farallon Consulting	425.295.0810		aedesai@farallonconsulting.com
Marty Locke	Pacific Pile and Marine	206.963.8922		martyl@pacificpile.com
Bruce McDonald	Anchor QEA			bmcDonald@anchorqea.com
Elizabeth Appy	Anchor QEA	707-633-6094		eappy@anchorqea.com
Mike Roberts	Anchor QEA	206.971.2685		mroberts@anchorqea.com
Wilber 'JC' Clark	Pacific Pile and Marine	206.331.3873		jc@pacificpile.com
Ryan Barth	Anchor QEA	206.903.3334		rbarth@anchorqea.com
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Rob Wilkins	USACE	206.764.3712		robert.h.wilkins@usace.army.mil
Jayson Osborne	USACE	206.764.3521		jayson.b.osborne@usace.army.mil
Rich McManus	Farallon Consulting	425.295.0800		rmcmanus@farallonconsulting.com
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### Discussion:

#### 1. Site Safety and Security

- a. Anchor QEA and PPM HASPs will be followed and copies maintained on site. Site visitors to check in with PPM.
- b. JFC Facility Training – not required for EPA or USACE representatives.
- c. Construction Site emergency exits, procedures, and contacts. Muster point identified near truck scale along north-central roadway if a long horn blast is sounded.
- d. Be aware of moving equipment and stay outside JFC buildings
- e. Spill kit and eye wash stations. Locations identified.
- f. Security procedures were discussed.
- g. Photography restrictions. No pictures of JFC facilities and equipment. Do not have JFC manufactured products in the background of site photos.

#### 2. Project Organization and Structure

- a. Introductions of Team Members and Project Roles. Mike Roberts introduced himself and role as the Construction Manager, and self-introductions were made.
    - Regulatory Team – Becky Chu (EPA Remedial Project Manager) will be out on site, along with Erika Hoffman (EPA Water Quality Manager) and Jayson Osborne, Rob Wilkins, and David Clark (USACE EPA Oversight Representatives). EPA's focus will be on consistency with design and compliance with requirements. EPA will have authority to stop work if an imminent or actual release is observed. Any need for adjustment and/or change will be routed through Mike Roberts. Communication between EPA staff and Anchor QEA staff and Farallon are encouraged to help flow of information. Final decision on direction will flow through Mike Roberts.
    - Lead Responsible Owner – Earle M. Jorgensen (EMJ) Representative – Gil Leon
    - JFC Facility Representative – Miles Dyer
    - Owner Designated and AOC Project Coordinator – Amy Essig Desai, Farallon Consulting.
    - Owner Designated Construction Management Team (Anchor QEA)
      - Construction Manager – Mike Roberts, P.E., C.C.M.
      - Principal in Charge/H&S Manager – David Templeton
      - Resident Engineer/Construction Quality Assurance Officer – Bruce McDonald, P.E.
      - Lead Inspector – Kyle King, P.E.
      - Project Engineer – Ryan Barth, P.E.
      - Compliance Lead – Elizabeth Appy
    - Pacific Pile & Marine (PPM) Project Team
      - Project Manager – J.C. Clark
      - Construction Quality Control Manager/Project Engineer – Jordan Clark
      - Onsite Construction Manager/Superintendent – Marty Locke
      - Health & Safety Manager – Joseph Adami
      - Dredging Superintendent – Dustin Simp
      - Shoreline Bank Excavation Superintendent – Craig Clearly
    - PPM Subcontractors
      - Transportation and Disposal: Waste Management – Matt Essig
      - Independent Surveyor: Terrasond Engineering, Inc. – Chris Kemp
      - Water Treatment: Water Tectonics – Peter Johnson. Will have a tech on site during on-barge water treatment activities.
3. Lines of Communication
    - a. Upland and in-water construction activities – Mike Roberts
    - b. Compliance monitoring and archaeological resources – Elizabeth Appy

- c. EPA, EMJ, JFC, EAA (Boeing and Port of Seattle) and Tribal coordination – Amy Essig Desai

#### 4. Compliance/Inspection Documentation and Reporting

- a. Contractor Submittals – Anchor QEA review and approval followed by transmittal to EPA
  - i. Import material gradation and chemistry. Discussed status of gradation/chemistry results for import materials.
  - ii. Pre-construction baseline survey and final post-construction payment surveys. Currently conducting the baseline survey.
  - iii. JFC Facility King County Industrial Waste Discharge Permit. PPM has addressed King County Permit comments with Lisa at Water Tectonics yesterday. Discharge into King County sanitary sewer scheduled to occur (pending Permit approval) at end of upland construction activities in mid-late July. Fluids will be collected in an 18,000 Gallon tank during performance of the upland construction. Following construction completion, fluids will be run through a GAC filter and into a secondary tank. Chemical analysis will be performed on fluids in secondary tank in accordance with Permit requirements. Fluids with chemical concentrations below the Permit thresholds will be discharged to the King County sanitary sewer system.
  - iv. As-built documents – PPM will maintain during construction. Anchor QEA will maintain a set of red lines to use in validating completion of the PPM set on a regular basis.
- b. Design Changes – Anchor QEA evaluate and develop design change and Amy coordinate EPA review/approval
- c. Water quality monitoring – Elizabeth Appy described the water quality monitoring program.
- d. Pre-construction, z-layer, and time 0 post-construction perimeter sediment monitoring. Per the EPA-approved Construction Quality Assurance Plan (CQAP; Appendix D of the Basis of Design Report), Anchor QEA will be collecting pre-construction surface sediment grabs on July 8 and 9.
- e. Archaeological resources – Inadvertent Discovery Plan is part of the EPA-approved Removal Action Work Plan. Compliance team includes an archaeologist on an as-needed basis.
- f. Weekly progress meetings and report – all team members attend weekly meetings and weekly report submitted to EPA. Meetings set for Wednesdays at 10:00 a.m., at the PPM field trailer. A call in number will be provided.

#### 5. Corrective Actions Summary

- a. Upland JFC Facility release. JC discussed contingency plans for inadvertent releases.
- b. In-water release – dredging, backfill, and transloading areas discussed.
- c. Offsite transportation discussed.
- d. Barges. The water treatment barge is being plumbed and should be complete by next week.
- e. No shoreline debris/piling removal scheduled until July 7.

### 6. Temporary Construction Facilities Discussion

- a. PPM and Anchor QEA field office, temporary power, potable water, sanitary facilities, phone service, and parking. Visitors should park in the JFC rear lot.

### 7. Site walk. A site tour was conducted on site following the meeting in the conference room. Some of the general topics that were discussed, including some follow up of topics discussed in the conference room include the following:

- a. Schedule. The water treatment barge will be ready the middle of next week. The two sediment haul barges have been sealed and staged with Ecology blocks to facilitate passive fluids drainage. Sealed containers to be used for transport of Subtitle C materials have been delivered to PPM Yard. All tanks were visually inspected for integrity. Waste management provided new containers. For work in the cofferdam, one barge will transport the Subtitle D material and the other barge will transport the Subtitle C materials via containers. The dredge barge has the 1200 excavator on board and is spudded in the Removal Action Boundary. Marine control components will be mobilized on the dredge barge middle of next week.

July 7 – begin pile/debris removal along shoreline bank.

July 8 – Meeting at PPM Yard to inspect the transload facility. This will be attended by EPA and USACE.

July 10 – Dredging in cofferdam begins.

- b. Upland stockpile/storage area (USSA). Reviewed current setup of the USSA, where trucks would be loaded (truck loading area [TLA]) and flow of traffic. Double liner system in USSA and TLA has yet to be installed, but will be constructed in accordance with the EPA-approved RAWP. PPM discussed contingencies for addressing possible releases.
- c. Dredging. PPM indicated that they will commence dredging operations on Monday, July 21, 2014. EPA will be on site for the first day of dredging.
- d. Cofferdam. Discussed potential options bracing the east wall of the cofferdam by use of a whaler with tie backs. This would eliminate the need for keeping the cofferdam full of water at an elevation of +11.0 ft mean lower low water (MLLW) elevation. This will be discussed with Boeing and Jorgensen to explore options.
- e. Barge. The dredge barge is spudded within the removal action boundary, with a 1200 excavator. The excavator has an environmental bucket and a larger digging toothed bucket is staged on the barge.
- f. Silt curtain. A floating silt curtain has been installed along a portion of the toe of shoreline bank.

Meeting adjourned at roughly 11:10 a.m.